Attorney Docket No.: FORS-10718

## AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior listings and versions of claims in the application:

## 1-5 (cancelled)

- (original) A method for detecting an euploidy of a chromosome in a subject, comprising the steps of:
  - a. selecting an exon tag sequence for said chromosome;
- b. providing a non-amplifying oligonucleotide detection assay configured to detect said exon tag sequence or its complement; and
- c. detecting said exon tag with said non-amplifying oligonucleotide detection assay.
- (original) The method of Claim 6, wherein said selecting an exon tag sequence comprises the steps of:
- a. identifying a genic sequence that is specific to said chromosome in said subject, and that is unique in the genome of the species of said subject;
- identifying an exon tag sequence within said genic sequence, wherein said exon tag sequence is compared to said genome to determine that said exon tag sequence is unique within said genome of the species of said subject.
- 8. (original) The method of Claim 6, further comprising providing an internal control and a non-amplifying oligonucleotide detection assay configured to detect said internal control, wherein said internal control target is detected using said non-amplifying oligonucleotide detection assay configured to detect said internal control.
- (original) A method for detecting an euploidy of a chromosome in a subject, comprising the steps of:
  - selecting an exon tag sequence for said chromosome;
- b. providing a non-amplified oligonucleotide detection assay configured to detect said exon tag sequence or its complement; and

Attorney Docket No.: FORS-10718

 detecting said exon tag with said non-amplified oligonucleotide detection assay.

- (original) The method of Claim 9, wherein said selecting an exon tag sequence comprises the steps of:
- a. identifying a genic sequence that is specific to said chromosome in said subject, and that is unique in the genome of the species of said subject;
- identifying an exon tag sequence within said genic sequence, wherein said exon tag sequence is compared to said genome to determine that said exon tag sequence is unique within said genome of the species of said subject.
- 11. (original) The method of Claim 9, further comprising providing an internal control, and a non-amplifying oligonucleotide detection assay configured to detect said internal control, wherein said internal control target is detected using said non-amplifying oligonucleotide detection assay configured to detect said internal control.
- (original) The method of Claim 8 or Claim 11, wherein said internal control comprises a sequence from a gene on chromosome 1.
- (original) The method of Claim 6 or Claim 9, wherein said chromosome in a subject is selected from the group consisting of chromosomes 13, 18, 21, X and Y.
- 14. (original) The method of Claim 6 or Claim 9 wherein said exon tag sequence is contained in a sample type selected from the group consisting of amniocyte cells, cystic hygroma fluid, amniocyte cell culture, amniotic fluid, chorionic villi, fetal urine, fetal skin, and fetal blood.
- (original) The method of Claim 14 wherein maternal nucleic acid is present as a contaminant in said sample.
  - 16. (original) The method of Claim 15 wherein maternal DNA comprises < about

80% of the total DNA isolated from said amniocyte cell culture.

17-23 (cancelled)